

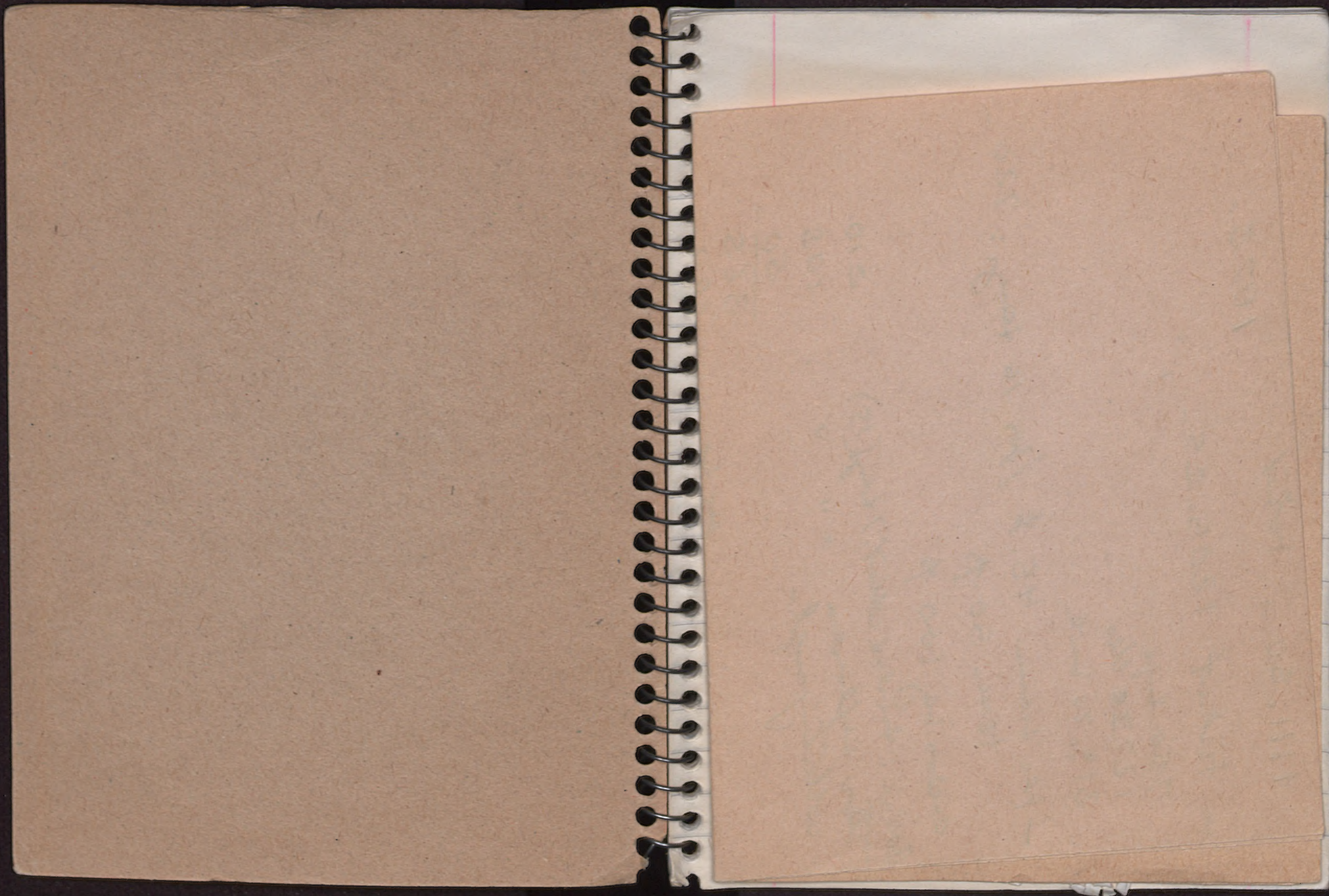
Brasil 77

PROP

leo

Brasil 77

PROPASA



Manaus - ~~Caraca~~ ^{Caraca} [Varig.]
wend - 2.20 a.m.
Caraca 4.40 a.m. -

1
Merito 9 2
10.35.

1111.50 - hotel

1025.

- ticket 1205.25 -

750 Fpe.

127.88 Ula

319.20 Smith

- per tier. 45. \$ / per 16 days: 720 -

taxi 50 \$

excess by 100 \$

Bodie: fares & collect. 7 days (15)

210

taxi expense

" " "

105

collecting mpl.

50

365

100

ex. by
taxi

50

515

Miscellaneous 515.

per tier 720

ticket 319 1235

12350

(1) 11,50

Indústria e Comércio
de Minérios S. A.
I C O M I

Divisão de Saúde
Farmácia

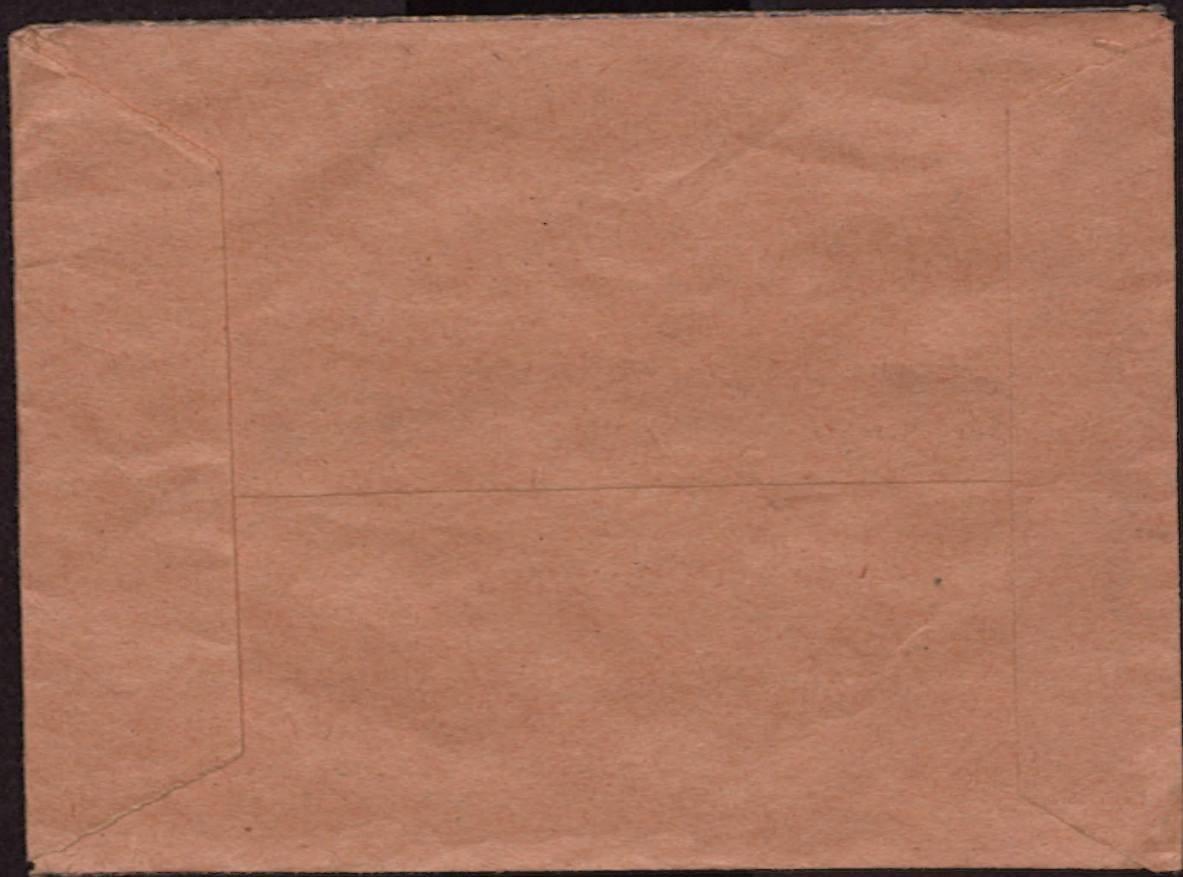
Nome:

Medicação:

A93

Modo de usar:

ICOMI — DSA — 079



Campeão de Queirós

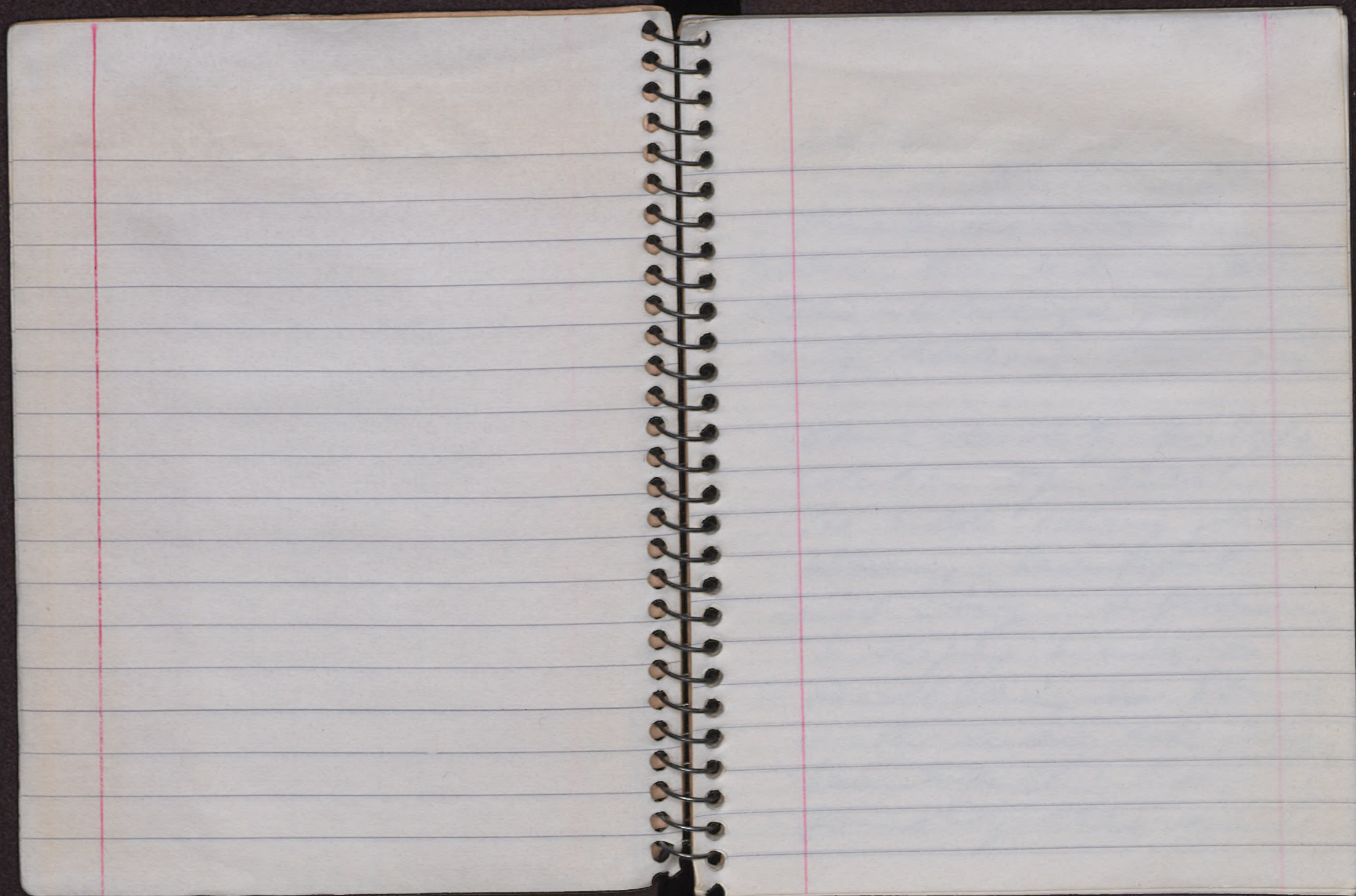
ANAGÉ A RIO DE CONTAS
172, km

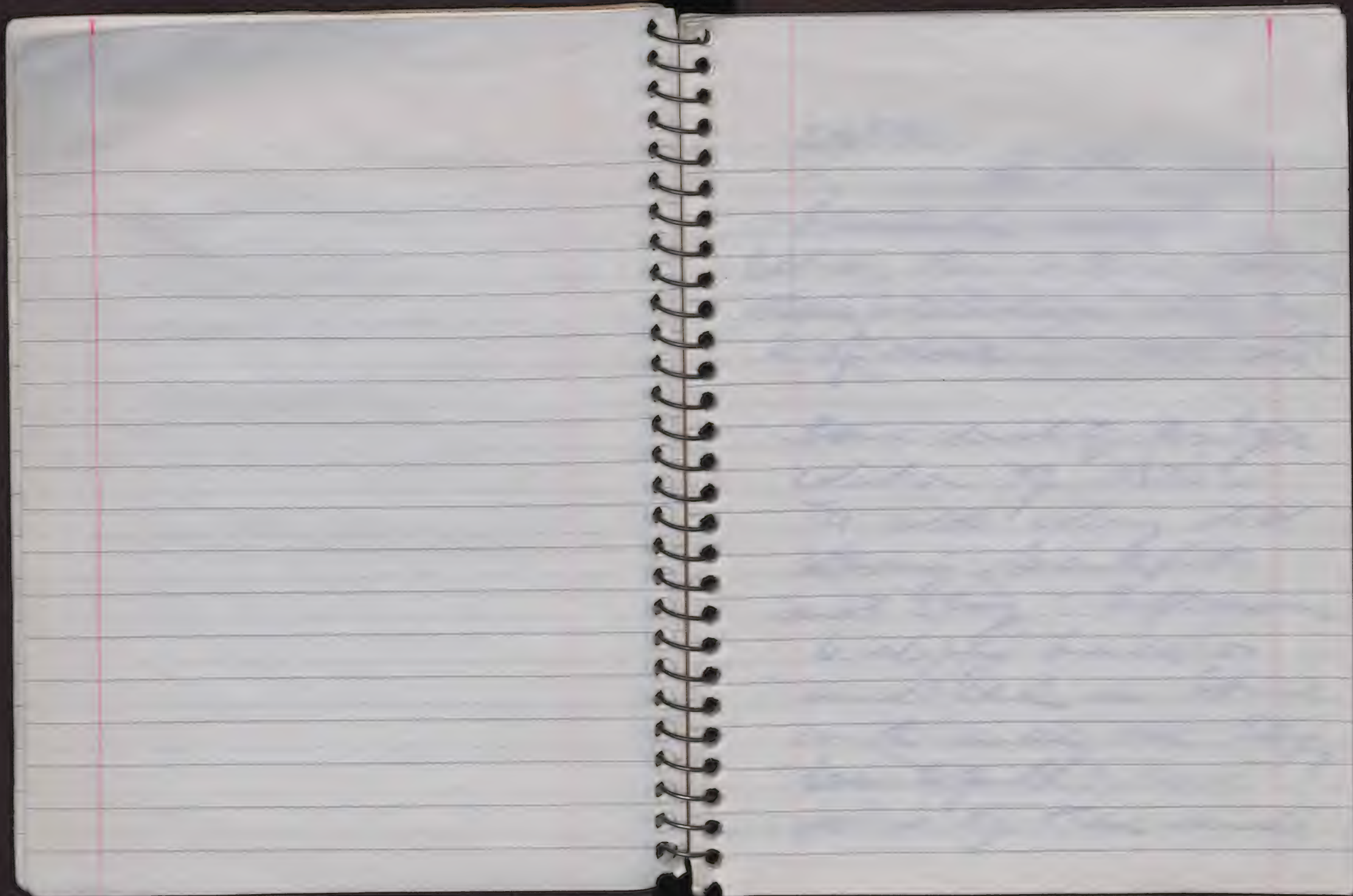
RIO DE CONTAS ATÉ ~~GOLETA~~
D. SILVINA 19 KM + 4km

DA 2ª GOLETA ATÉ RIO CONTAS
17 km

Brazil 1977

1977





2454

April 7, 1977

Apatantha radialis

Bahia, Mun. de Nua, Estado
Nue-Oberense, 28 Km
N of Nua. (to 609
299-)

Same locality as type
collection of 1976 -

The whole colony still
blooming, beautiful,
not very. Inflorescences
developing buds or
small ones some
with many axes, very
beautiful!
Some of these small

bristles with a
few setae or
small warts at the
end.

Most of the ~~infrapleura~~
~~with~~ of this type.

no photo, one fixed
- dried.

Not seen any redlip
We didn't find red
either.

This site is very near the
ocean. About noon -
faster up, ~~that~~ ^{the} road
turn toward the ocean.

and one can see it.

Heteromys notes, collected,
only those with pale-
roled infra.

2457 (x) - ~~to~~ ^{July 2} ~~July 2~~ ^{Shrim}

~~2457~~ April 8, 1977
Alismia ^{*grobilis*} ~~*grobilis*~~
fruits -

Near. to Ilheus - roadside
Olivença - ~~the~~ vile Brazil,
6 Km. S.W. of Olivença
(23 Km. to Pontal a 27 Km
to Ilheus)

Plots D. & W. #1 &
color, Ektachrome #2 -

Most of the plants
dry but some spot
still green producing
some flowers at the
end of the growing

Pj- Also many fruits
also see hanging from
plants - in \neq stage of
~~development~~ development.

Many, many seedlings
and small plants
seen under and
around parent plants.

In some places covering
the ground.

Full seedling and
all the way to small
plants, i.e. 50 cm.

2455

Alimia fraxifolia

16 Km SW de Olivença, 33
Km de Pontal = 37 Km
de Ilheus.

We didn't see any
fruits.

Fls looking beautiful
green and many
more blooming. Some
spots, probably the
ones we saw blooming
last year a little
long with dry inflores.
These with spike wedges

much longer, 3, 4
times longer than
the new ones.

Have already dug
with some still green
and there at the top.

Herbain: only dug
top part of pit and
a few jars for
comparison.

2 jars of water collected.
no photo yet
in FAA.

2456. *Arinia tenuis*
2457. *Arinia futea* only.
2458. Chusquea
2459. Ajovillo.

2456

April 8, 1977

Alvimia tenuis

Mun. de Ilheus, 16, 5 Km SW
of Oliveira on road
Oliveira - ~~Waldobrasil~~
Fazenda Espiranga. (Vila Brasil)

Alt. 75 m.s.m.

Same locality as first
collected in 1976. "Mata
litorânea", coastal type
of forest on white sand
soil. Forest dense, but
bamboo being dominant
plant growing in a

every ~~the~~ single space
between the trees, on the
talls, climbing to the
highest branches and
then hanging from
them as Rafters.

This time this species is
blooming. The inflorescen-
ces more or less similar
to the ones of *A. gracile*.
Few or not too many
branches but very large
and delicate, with
spikelets white and
segments of rachis green.
Very beautiful in contrast
with the ~~the~~ delicate

green of the foliage.
Some of these branches
reaching probably 30 cm
~~and~~ A very interesting
phenomenon is that many
of the flowering branches
after a certain length
they switch and instead
of spikelets start produ-
cing leaves again.
In some cases I saw leaves
coming up in the middle
of a branch with spikelets.
In many parts of the
plants the nodes produce
flowering branches only
that means, spikelets

coming out directly
from the woods.

collected a lot for
herbarium and in
FRA. 3:1, at Bouquet.

April 11

2458

Chusquea

Bahia, Mun. de Rio de Contas,
Pico das Almas, "campo do
Oureiros", 19 km by car W of
Rio de Contas and 4 km
walking

[19 km de Rio de Contas hasta
D. Silvana house and then
4 km climbing up. Road
goes on the Brumado river
valley.]

Alt. ca. 1400 m.

growing in rocky soil
at the edge of river.

Branches climbing
and leaning on
small trees.

Culm solid with
persistent sheath.

FAA. collected.

bulky material: collected

April 11

2459

Pseudorapzelada

Barkia, Mun. de Rio de
Contas, Rico das Almas, 17
Km W. of Rio de Contas

Alt. ca 1300-1200.

Beautiful, erect bamboo
growing at edge of
river (seen on 2 spots
and collected on both).

Culm solid, redish,
very strong - ca. 4-5 m
tall.

Culm sheath with
no demarcation between
blade and a sheath
drying very fast on
plant and splitting
on the back or side
and falling soon,
not persistent.

Branch complement
like "soldaditos". Few
Few branches, these flat
and strongly adpressed
to the culm, usually
one in the center slightly
bigger than the others
and 3 or 4 on each
side.

Branches growing adpressed
and erect or slightly
curved. Branches crowded
with leaves and small
branches. The branches
have very short internodes
and then all little branches
and leaves become crowded
and curved up.

leaves very delicate
and narrow.

Plants flowering!

Inflorescences are
small racemes with
few spikelets.

Spikelet three-nerve type

It seems that culms
have a groove just
behind the branch comple-
ment.

Bud complement start
with one single bud!

FAA: leaves, flowers, buds!

Bulky material: collected

Photo: color and b & w.

1. *What is the purpose of this study?*
2. *What are the research objectives?*
3. *What is the significance of the study?*

4. *What are the research methods used?*
5. *What are the results of the study?*
6. *What are the conclusions of the study?*

7. *What are the limitations of the study?*
8. *What are the implications of the study?*
9. *What are the future research directions?*

10. *What are the references of the study?*
11. *What are the appendices of the study?*
12. *What are the footnotes of the study?*

comprei 2 manas.
foguinhos Jacare a deuza.

Tabela 1000 farto - 578+320
Linha 1000 farto

578 5.5 comido.

320 5.5 farto.

898 - total farto.

capl. 1170.50

- 898

272.50 total farto e capl.

linha 1000 898 x 2

= 1796

- 578 -> total

1218 - 1218 seguinte

Di 200 e linha

" " a tabela

2618 (= 1400 + 1218) -

358+852

370 ✓

578

948

229,50

370

320

279.50 %

8125 (1400 + 8151)

2.721

Debo Rye -

~~435~~

Takma' div 578

1 1/2

157.5 write

130

10

150

108

10

408

30

2.2

$$1575 = 15^2 \times 7 \times 15$$

852

201

2

252

252

252

252

252

5.5

1177.50 Lysol
1177.50 Ecoler

105

5

525

53

~~578~~

578

1000

599.50

77.5

852.5



o papel da
PROPASA
criatividade